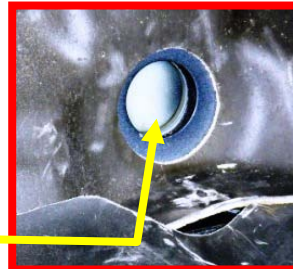


2007 - Jaguar XKR

Fixing An Air Conditioning Condensation Leak Into Passenger Foot Well

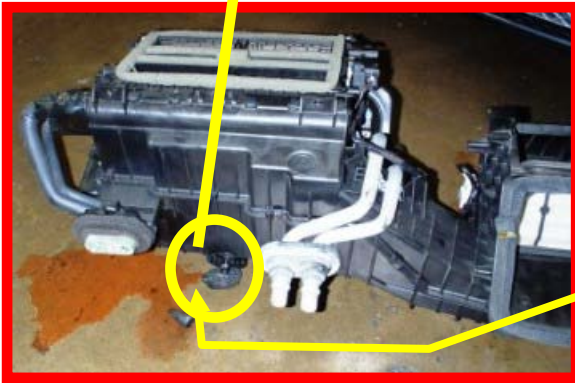


Water leaks from the Fan Motor that is located under the glove compartment



Drain Hole Through Firewall exits just above transmission housing

Starting Point - Similar Car



AC Unit - Drain (Duck Bill Hose) under the evaporator area which passes through the engine firewall just above the center of the transmission.



Duck bill Hose showing through the sealing material that seals between the AC Drain hole and the vehicle firewall.



Duck bill Hose with the sealing material removed. (Duck Bill Design to prevent insects coming into the car?)



Drain Hole from Evaporator with the Duck Bill Hose and Sealing removed..

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The car goes from a wonderful, luxurious presentation on the left to the truly heart stopping “oh my lord” on the right in order to replace the \$2 Duck Bill Hose that drains condensation water from the air conditioning unit.

Options:

- Do the straight replacement of the Duck Bill Hose – Seems rational but if the design is known to be flawed, perhaps it is worth doing something else?
- Cutting the Duck Bill seems to have worked for some, it does not require dash removal but the hose is very short and could result in water not exiting the vehicle.
- The Advice I got and went with was to replace the Duck Bill hose with a Fuel grade hose of the same diameter – it is heat resistant and should not block.



An initial fix attempt was to put a drain on the low point of the motor housing – this is where excess water leaks to.

The fix was unsuccessful, probably because the water under the evaporator is almost in a “tank” environment when it is not draining so the amount of water that “sloshes” to the motor housing area is too much, too quick for the drain to handle.